

Title (en)
Automatic transmission system with a transmission brake

Title (de)
Automatisiertes Getriebesystem mit einer Getriebebremse

Title (fr)
Système de transmission automatisée avec frein de transmission

Publication
EP 1439336 B1 20111123 (DE)

Application
EP 04000815 A 20040116

Priority
GB 0301171 A 20030118

Abstract (en)
[origin: EP1439336A2] The automatic transmission includes a control unit that controls the operation of the transmission brake (70). Braking torque is provided to the transmission when the motor torque is negative, vehicle speed is above a predetermined value, gear change downwards is demanded or is just being carried out and the service brake (52,54,56,58) is not in use. An Independent claim is also provided for a device for determining the moving direction of vehicle when driving the car from standstill.

IPC 8 full level
F16H 61/02 (2006.01); **F16H 61/21** (2006.01); **B60T 1/06** (2006.01); **B60W 10/10** (2012.01); **B60W 10/18** (2012.01); **B60W 30/18** (2012.01); **F16H 61/04** (2006.01); **F16H 61/22** (2006.01)

CPC (source: EP GB KR US)
B60T 1/06 (2013.01 - EP US); **B60W 10/11** (2013.01 - EP US); **B60W 10/18** (2013.01 - EP US); **B60W 30/00** (2013.01 - GB); **B60W 30/18109** (2013.01 - EP US); **B60W 30/18136** (2013.01 - EP US); **F16H 61/0202** (2013.01 - GB); **F16H 61/04** (2013.01 - EP US); **F16H 61/21** (2013.01 - EP US); **G06F 1/187** (2013.01 - KR); **F16H 61/22** (2013.01 - EP US); **F16H 2061/0425** (2013.01 - EP US); **F16H 2061/0496** (2013.01 - EP US); **F16H 2312/04** (2013.01 - EP US)

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

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EP 1439336 A2 20040721; **EP 1439336 A3 20100407**; **EP 1439336 B1 20111123**; AT E534853 T1 20111215; BR PI0400028 A 20041228; DE 102004002347 A1 20040729; DE 102004002347 B4 20181031; GB 0301171 D0 20030219; GB 2397396 A 20040721; GB 2397396 B 20060510; JP 2004225904 A 20040812; JP 4550436 B2 20100922; KR 20040066736 A 20040727; US 2004209733 A1 20041021; US 2007043495 A1 20070222; US 7123998 B2 20061017; US 7212899 B2 20070501

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